James A Conder

List of Publications by Year
in descending order

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43 papers	1,332 citations	304743 22 h-index	345221 36 g-index
46 all docs	46 docs citations	46 times ranked	1286 citing authors

#	Article	IF	Citations
1	A cycleâ€jumping method for multicyclic Hubbert modeling of resource production. Natural Resource Modelling, 2021, 34, e12296.	2.0	3
2	Crustal Structure Beneath the Wabash Valley Seismic Zone From the Joint Inversion of Receiver Functions and Surfaceâ€Wave Dispersion: Implications for Continental Rifts and Intraplate Seismicity. Journal of Geophysical Research: Solid Earth, 2019, 124, 7028-7039.	3.4	5
3	The potential contribution to long wavelength magnetic anomalies from the lithospheric mantle. Physics of the Earth and Planetary Interiors, 2019, 292, 21-28.	1.9	11
4	The effect of oxidation on the mineralogy and magnetic properties of olivine. American Mineralogist, 2019, 104, 694-702.	1.9	32
5	Redox conditions associated with organic carbon accumulation in the Late Devonian New Albany Shale, west-central Kentucky, Illinois Basin. International Journal of Coal Geology, 2018, 190, 42-55.	5.0	31
6	Conjugate Faulting in the Wabash Valley Fault Zone Exhibited by the 20 November 2012m_bÂ3.6 Earthquake, a Mt. Carmel Late Aftershock. Seismological Research Letters, 2017, 88, 1203-1209.	1.9	1
7	Evaluation of the logit/probit transform method to modeling historical resource production and forecasting compared to conventional Hubbert modeling. International Journal of Coal Geology, 2017, 182, 42-51.	5.0	3
8	Earthquakes in the Mantle? Insights From Rock Magnetism of Pseudotachylytes. Journal of Geophysical Research: Solid Earth, 2017, 122, 8769-8785.	3.4	10
9	Microseismicity of the Intraplate Northern Wabash Fault System and La Salle Anticlinorium, Illinois Basin, U.S.A.. Seismological Research Letters, 2016, 87, 1479-1486.	1.9	4
10	Upper mantle structure of the <scp>T</scp>ongaâ€<scp>L</scp>auâ€<scp>F</scp>iji region from <scp>R</scp>ayleigh wave tomography. Geochemistry, Geophysics, Geosystems, 2016, 17, 4705-4724.	2.5	15
11	PandSvelocity tomography of the Mariana subduction system from a combined land-sea seismic deployment. Geochemistry, Geophysics, Geosystems, 2015, 16, 681-704.	2.5	29
12	Fitting Multiple Bell Curves Stably and Accurately to a Time Series as Applied to Hubbert Cycles or Other Phenomena. Mathematical Geosciences, 2015, 47, 663-678.	2.4	8
13	Seismic evidence of effects of water on melt transport in the Lau back-arc mantle. Nature, 2015, 518, 395-398.	27.8	39
14	Acoustic response of submarine volcanoes in the Tofua Arc and northern Lau Basin to two great earthquakes. Geophysical Journal International, 2014, 196, 1657-1675.	2.4	16
15	Eight good reasons why the uppermost mantle could be magnetic. Tectonophysics, 2014, 624-625, 3-14.	2.2	72
16	Seismological imaging of ridgeâ€“arc interaction beneath the Eastern Lau Spreading Center from OBS ambient noise tomography. Earth and Planetary Science Letters, 2014, 408, 194-206.	4.4	25
17	Seismic anisotropy of the Archean crust in the Minnesota River Valley, Superior Province. Geophysical Research Letters, 2014, 41, 1514-1522.	4.0	7
18	The thermal structure of the subduction thrust within accretionary and erosive margins. Tectonophysics, 2014, 633, 221-231.	2.2	6

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19	Craton vs. rift uppermost mantle contributions to magnetic anomalies in the United States interior. Tectonophysics, 2014, 624-625, 15-23.	2.2	25
20	Crustal construction and magma chamber properties along the Eastern Lau Spreading Center. Earth and Planetary Science Letters, 2013, 371-372, 112-124.	4.4	23
21	The magnetism of mantle xenoliths and potential implications for subâ€Moho magnetic sources. Geophysical Research Letters, 2013, 40, 105-110.	4.0	56
22	The magnetism of mantle xenoliths and potential implications for sub-Moho magnetic sources. Geophysical Research Letters, 2013, , n/a-n/a.	4.0	1
23	Non-Pratt component of oceanic isostasy. Lithosphere, 2012, 4, 430-434.	1.4	2
24	The 2011 Japanese earthquake: an overview of environmental health impacts. Journal of Environmental Health, 2012, 74, 42-50.	0.5	11
25	Discussion of Multicyclic Hubbert Modeling as a Method for Forecasting Future Petroleum Production. Energy & Fuels, 2011, 25, 1578-1584.	5.1	31
26	Shallow seismicity and tectonics of the central and northern Lau Basin. Earth and Planetary Science Letters, 2011, 304, 538-546.	4.4	21
27	Seismic attenuation tomography of the Mariana subduction system: Implications for thermal structure, volatile distribution, and slow spreading dynamics. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	82
28	The Seismic Structure and Dynamics of the Mantle Wedge. Annual Review of Earth and Planetary Sciences, 2008, 36, 421-455.	11.0	114
29	Rapid mantle flow beneath the Tonga volcanic arc. Earth and Planetary Science Letters, 2007, 264, 299-307.	4.4	49
30	Dynamically driven mantle flow and shear wave splitting asymmetry across the EPR, MELT area. Geophysical Research Letters, 2007, 34, .	4.0	10
31	Complex mantle flow in the Mariana subduction system: evidence from shear wave splitting. Geophysical Journal International, 2007, 170, 371-386.	2.4	81
32	Seismic structure beneath the Tonga arc and Lau back-arc basin determined from joint Vp, Vp/Vs tomography. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	65
33	Mantle structure and flow patterns beneath active back-arc basins inferred from passive seismic and electromagnetic methods. Geophysical Monograph Series, 2006, , 43-62.	0.1	3
34	A case for hot slab surface temperatures in numerical viscous flow models of subduction zones with an improved fault zone parameterization. Physics of the Earth and Planetary Interiors, 2005, 149, 155-164.	1.9	66
35	Asthenospheric flow and asymmetry of the East Pacific Rise, MELT area. Journal of Geophysical Research, 2002, 107, ETG 8-1-ETG 8-13.	3.3	77
36	On the decompression melting structure at volcanic arcs and back-arc spreading centers. Geophysical Research Letters, 2002, 29, 17-1-17-4.	4.0	109

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37	Asymmetric mantle dynamics in the MELT region of the East Pacific Rise. Earth and Planetary Science Letters, 2002, 200, 287-295.	4.4	70
38	Seafloor spreading on the Southeast Indian Ridge over the last one million years: a test of the Capricorn plate hypothesis. Earth and Planetary Science Letters, 2001, 188, 91-105.	4.4	18
39	Do the 1998 Antarctic Plate earthquake and its aftershocks delineate a plate boundary?. Geophysical Research Letters, 2000, 27, 2309-2312.	4.0	10
40	Seafloor spreading on the Amsterdam-St. Paul hotspot plateau. Journal of Geophysical Research, 2000, 105, 8263-8277.	3.3	24
41	Anomalous seafloor spreading of the Southeast Indian Ridge near the Amsterdam-St. Paul Plateau. Journal of Geophysical Research, 2000, 105, 8243-8262.	3.3	37
42	Investigation of microearthquake activity following an intraplate teleseismic swarm on the west flank of the Southern East Pacific Rise. Journal of Geophysical Research, 1997, 102, 459-475.	3.3	30
43	Oceanic isostasy as a trigger for the rift-to-drift transition. Geology, 0, , .	4.4	0